

GenCore version 5.1.6  
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OM nucleic - nucleic search, using sw model

Run on: July 18, 2003, 15:00:11 ; Search time 2786 Seconds  
(without alignments)  
15919.364 Million cell updates/sec

Title: US-09-815-923-3  
Perfect score: 1764  
Sequence: 1 atgcgcgcgtcgacgcgc.....ctaccctatgcacactgtga 1764

Scoring table: IDENTITY\_NUC  
Gapop 10.0 , Gapext 1.0

Searched: 24791104 seqs, 12571243825 residues

al number of hits satisfying chosen parameters: 49582208

Minimum DB seq length: 0  
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%  
Maximum Match 100%

Listing first 45 summaries

Database :

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1764	100.0	1764	31	US-09-815-923-3
2	891.2	50.5	2470	61	US-60-173-464-7056
3	891.2	50.5	2471	23	US-09-614-150-8705
4	891.2	50.5	2471	63	US-60-191-637-8731
5	891.2	50.5	2471	63	US-60-191-681-6790
6	891.2	50.5	2473	63	US-60-167-217-8786
7	579.4	32.9	2745	80	US-60-360-207-11577
8	579.4	32.8	2278	3	US-07-778-231-6
9	554	31.4	1890	1	PCT-US00-20638-11
10	552.6	31.3	2099	18	US-09-440-302A-1068
11	552.6	31.3	2099	18	US-09-440-302B-1068
12	552.6	31.3	2099	24	US-09-622-503-2
13	552.4	31.3	1893	1	PCT-US02-03710-2
14	552.4	31.3	1893	66	US-60-226-176-2040
15	552.4	31.3	1893	66	US-60-226-176-2045
16	552.4	31.3	1893	67	US-60-233-468-2045
17	552.4	31.3	1893	67	US-60-233-468-2045
18	552.4	31.3	1893	75	US-60-313-371-2040
19	552.4	31.3	1893	75	US-60-313-371-2045
20	552.4	31.3	2052	66	US-60-226-176-2047
21	552.4	31.3	2052	67	US-60-233-468-2047

22	552.4	11.3	2052	75	US-60-113-371-2047	Sequence 2047, Ap
23	552.4	11.3	2508	66	US-60-226-176-2039	Sequence 2038, Ap
24	552.4	11.3	2508	66	US-60-226-176-2048	Sequence 2048, Ap
25	552.4	11.3	2508	67	US-60-233-468-2039	Sequence 2039, Ap
26	552.4	11.3	2508	67	US-60-233-468-2048	Sequence 2048, Ap
27	552.4	11.3	2508	75	US-60-113-371-2039	Sequence 2039, Ap
28	552.4	11.3	2508	75	US-60-113-371-2048	Sequence 2048, Ap
29	552.4	11.3	2509	69	US-60-258-275-665	Sequence 665, App
30	552.4	11.3	2771	66	US-60-226-176-2050	Sequence 2050, Ap
31	552.4	11.3	2771	67	US-60-233-468-2050	Sequence 2050, Ap
32	552.4	11.3	2771	75	US-60-113-371-2050	Sequence 2050, Ap
33	552.4	11.3	2889	22	US-09-554-943-2	Sequence 2, Appl1
34	552.4	11.3	4039	25	US-09-649-163-10460	Sequence 10460, Ap
35	552.4	11.3	4039	29	US-09-726-172-2571	Sequence 2571, Ap
36	552.4	11.3	4305	41	US-10-198-846-11010	Sequence 11010, A
37	525.4	29.6	1831	65	US-60-213-177-1027	Sequence 1027, Ap
38	522.4	29.6	1854	1	PCT-US00-35491-1	Sequence 1, Appl1
39	522.4	29.6	1854	1	PCT-US00-35491-11	Sequence 11, Appl1
40	522.4	29.6	1854	29	US-09-750-609-1	Sequence 1, Appl1
41	522.4	29.6	1854	29	US-09-750-609-11	Sequence 11, Appl1
42	522.4	29.6	1854	61	US-06-173-682-1	Sequence 1, Appl1
43	522.4	29.6	1854	61	US-06-173-682-11	Sequence 11, Appl1
44	522.4	29.6	1983	3	US-07-676-9808-1	Sequence 1, Appl1
45	522.4	29.6	1983	18	US-09-440-3024-1067	Sequence 1067, Ap

## ALIGNMENTS

RESULT 1  
US-09-815-923-3  
Sequence 3, Application US/09815923  
GENERAL INFORMATION:  
APPLICANT: Gill, Sarjeet S.  
APPLICANT: Ross, Linda S.  
TITLE OF INVENTION: The Regents of the University of California  
TITLE OF INVENTION: Use of Insect Cell Membrane Transporters as Novel  
FILE REFERENCE: 023070-093800US  
CURRENT APPLICATION NUMBER: US/09/815,923  
CURRENT FILING DATE: 2001-03-23  
NUMBER OF SEQ ID NOS: 20  
SOFTWARE: PatentIn Ver. 2.1  
SEQ ID NO 3  
LENGTH: 1764  
TYPE: DNA  
ORGANISM: Manduca sexta  
FEATURE:  
OTHER INFORMATION: serotonin transporter  
US-09-815-923-3

Query Match	100.0%;	Score 1764;	DB 31;	Length 1764;
Best Local Similarity	100.0%;	Pred. No. 0;		
Matches 1764;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0

QY	1	ATBCCGCGCTCGGAGAGCGCGCGCGCGCCACACGGCGCCACTCTCTGATCTTCTCGTACC	60
Db	1	ATBCCGCGCTCGGAGAGCGCGCGCGCCACACGGCGCCACTCTCTGATCTTCTCGTACC	60
QY	61	ACCGCTCAGAAAAAGCGCTTCGGTGGTGTGTGCTTACCGCGCGCGGACACGCGGAACC	120
Db	61	ACCGCTCAGAAAAAGCGCTTCGGTGGTGTGTGCTTACCGCGCGCGGACACGCGGAACC	120
QY	121	TGGGCGAAGAAAGCAGAGTTCCTGCTGTGGCGGCGTGGGGATTGCGAGTGAATCTTGGTAAC	180
Db	121	TGGGCGAAGAAAGCAGAGTTCCTGCTGTGGCGGCGTGGGGATTGCGAGTGAATCTTGGTAAC	180
QY	181	GTTGTGGCGATTCCTCCCTACTATCTGTATACAGAAATGAGCGGTCGCTTCTGTATCCGTAC	240
Db	181	GTTGTGGCGATTCCTCCCTACTATCTGTATACAGAAATGAGCGGTCGCTTCTGTATCCGTAC	240
QY	241	TGCGTTATCTGCTGTTTGGCGGCGCTGCCGCTGTTCTTCCGGAACATGGGCGCTGGGCGAG	300

Db	241	TGGGTTATGCTGCTCTTTGGGGGGCTGCGCCGCTGTTCTTCTTGAACTGGCCCTGGGCGAG	300
QY	301	TACACGCGCTGGCGCTGCCTCACTCTTGGAAGAGATCTGCCCGCGCTTAAAGTGTC	360
Db	301	TACCAACCCCTGGCGCTGCCTCACTCTTGGAAGAGATCTGCCCGCGCTTAAAGTGTC	360
QY	361	GGCTATGGCATCTGCATGTGACATCTACATGGGCACTACTACAAACGATCATCGGA	420
Db	361	GGCTATGGCATCTGCATGTGACATCTACATGGGCACTACTACAAACGATCATCGGA	420
QY	421	TGGGGGTGTATTACCTGATGCTTCTCGCGCTATTAACCTGTGCTGCCATGACC	480
Db	421	TGGGGGTGTATTACCTGATGCTTCTCGCGCTATTAACCTGTGCTGCCATGACC	480
QY	481	AGTCGCGAACAAGACTGGAAACAGCGCGCTGTGCAGCGGCTCACTCACTCAAGTAT	540
Db	481	AGTCGCGAACAAGACTGGAAACAGCGCGCTGTGCAGCGGCTCACTCACTCAAGTAT	540
QY	541	CCTAACTCTTCTACACCGCGAAGAGATTCTCGAAGCTAATGTATTGGACGACACAAG	600
Db	541	CCTAACTCTTCTACACCGCGAAGAGATTCTCGAAGCTAATGTATTGGACGACACAAG	600
QY	601	TCTAAGCGCCTGGATGACATGGGGCCGATCAAGCCGTGCTGTGTGTTCGGG	660
Db	601	TCTAAGCGCCTGGATGACATGGGGCCGATCAAGCCGTGCTGTGTGTTCGGG	660
QY	661	GTCCTTTCGTCGCTTACTTTCCTTGGAAGAGAGTCAGAGTGGGCAAGGTGGTG	720
Db	661	GTCCTTTCGTCGCTTACTTTCCTTGGAAGAGAGTCAGAGTGGGCAAGGTGGTG	720
QY	721	TGGGTGACAGCTTGCGCCCGTACGTGGTGCTGTGATTCTGCTGGCGAGAGCGTCAAG	780
Db	721	TGGGTGACAGCTTGCGCCCGTACGTGGTGCTGTGATTCTGCTGGCGAGAGCGTCAAG	780
QY	781	CTTCAGAGGAGGAGGAGGAGCATACGCTACCTTACCAGAGTGGCACAAATTGGAA	840
Db	781	CTTCAGAGGAGGAGGAGGAGCATACGCTACCTTACCAGAGTGGCACAAATTGGAA	840
QY	841	AACCTAAGGATATGGATTGAGCGGCGCATCCAGATTTTCTCTCGCTGGTCCCGGTTTC	900
Db	841	AACCTAAGGATATGGATTGAGCGGCGCATCCAGATTTTCTCTCGCTGGTCCCGGTTTC	900
QY	901	GGAAACCCCTACCTGGCGCTCTCCAGCTACAAACAAGTTCAACACACTGCTACAGGACGG	960
Db	901	GGAAACCCCTACCTGGCGCTCTCCAGCTACAAACAAGTTCAACACACTGCTACAGGACGG	960
QY	961	CTCATCACTTCTTATCAACTGCTGTGACACAGCTCTTGCGGTGGTTCATTTTCTCG	1020
Db	961	CTCATCACTTCTTATCAACTGCTGTGACACAGCTCTTGCGGTGGTTCATTTTCTCG	1020
QY	1021	GTTTTGGGGTACATGCGCGCACGTTGAGAACAGAGACATCGAGAGTTGGCCCTGGAAGC	1080
Db	1021	GTTTTGGGGTACATGCGCGCACGTTGAGAACAGAGACATCGAGAGAGTTGGCCCTGGAAGC	1080
QY	1081	CCTGAGACGGGTTTCATGTTGTTACCCGAGGCAATCGCACATGAGCGGGCTCGTGTTTC	1140
Db	1081	CCTGAGACGGGTTTCATGTTGTTACCCGAGGCAATCGCACATGAGCGGGCTCGTGTTTC	1140
QY	1141	TGGGCGCATCATCTTCTCTCATGCTTATTAACCCCTGGGACTTGAACAGTATTTTGAAGT	1200
Db	1141	TGGGCGCATCATCTTCTCTCATGCTTATTAACCCCTGGGACTTGAACAGTATTTTGAAGT	1200
QY	1201	CTTGAGGACATGACACAGGCGCTTTTGGACGACAAATATCTCGAAGTATTAGGCAGACATGCG	1260
Db	1201	CTTGAGGACATGACACAGGCGCTTTTGGACGACAAATATCTCGAAGTATTAGGCAGACATGCG	1260
QY	1261	GAACTATTTTGGGCTGTACTGCTTCTGTCTCATATATTTCGCGCTCCGCTCCACACACACA	1320
Db	1261	GAACTATTTTGGGCTGTACTGCTTCTGTCTCATATATTTCGCGCTCCGCTCCACACACACA	1320
QY	1321	TACGGTGTGTATACCTGCTAGACCTACTCAATGTATGGCCCTGGATTGGCAATTTCTA	1380
Db	1321	TACGGTGTGTATACCTGCTAGACCTACTCAATGTATGGCCCTGGATTGGCAATTTCTA	1380

QY	1381	TTCTGGTATTTCGTGAGGCTGCCGGGGTGGCTGGGTGATGGCGTCAACCGGTTCTCT	1440
Db	1381	TTCTGGTATTTCGTGAGGCTGCCGGGGTGGCTGGGTGATGGCGTCAACCGGTTCTCT	1440
QY	1441	GAAGATGTGAGGACCATGCTGGGGGACACCCCTGGATGGTTCTGGAGGACCTGTTGGTCT	1500
Db	1441	GAAGATGTGAGGACCATGCTGGGGGACACCCCTGGATGGTTCTGGAGGACCTGTTGGTCT	1500
QY	1501	TACATCAAGTCCCGATTTCTTGCTGGTGTCTGTTCTGTTCTCCGTTCTGGCACAGGAGAG	1560
Db	1501	TACATCAAGTCCCGATTTCTTGCTGGTGTCTGTTCTGTTCTCCGTTCTGGCACAGGAGAG	1560
QY	1561	ATGCTCGCGGGGGAATACACCTATCCCTCATGGGTCTATACACCGTAAGGCTGGGTATGACC	1620
Db	1561	ATGCTCGCGGGGGAATACACCTATCCCTCATGGGTCTATACACCGTAAGGCTGGGTATGACC	1620
QY	1621	GGCACCAACCGTCTGTCGATCTCTCTTTACATTATCTACAACACGTCATCTACTCTGGC	1680
Db	1621	GGCACCAACCGTCTGTCGATCTCTCTTTACATTATCTACAACACGTCATCTACTCTGGC	1680
Db	1681	AATTGCATCAACCCGATATCAGACATATCCACGTCGGGAAGTGACGTGGATACCTCCACGG	1740
QY	1741	GACTCTAACCTATGCAACCTGTGA	1764
Db	1741	GACTCTAACCTATGCAACCTGTGA	1764

RESULT 2  
US-60-173-464-7056  
; Sequence 7056, Application US/60173464  
CENTRAL INFORMATION:

```

: TITLE OF INVENTION: ISOLATED G-PROTEIN COUPLED RECEPTORS,
: TITLE OF INVENTION: NUCLEIC ACID MOLECULES ENCODING GPCR PROTEINS AND USES
: TITLE OF INVENTION: THEREOF
: FILE REFERENCE: CL000173
: CURRENT APPLICATION NUMBER: US/60/173,464
: CURRENT FILING DATE: 1999-12-29
: NUMBER OF SEQ. ID NOS: 30269
: SOFTWARE: FastSeq for Windows Version 4.0
: SEQ ID NO 7056
: LENGTH: 2470
: TYPE: DNA
: ORGANISM: Drosophila
: US-60-173-464--7056

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every Match	50.5%	Score 891.2	DB 61	Length 2470
Best Local Similarity	71.7%	Pred. No. 2.1e-212		
Matches 1185; Conservative	0	Mismatches 458	Indels 9	Gaps 1

[illegible]

OY	322	ACTCTCTGGAAACGGATATGCCCCCGCTTAAAGGTGTCGGGTATGACCTATGCAATGATC	381
Db	430	AGCATCTGGAAACGGCATCTGTCCGCCCTTAAAGGCGTGGGTATGCGATCTGCTCAATC	489
OY	382	GACATCTACATGGGCATGTACTACAACAGATCATCGATGGGGCGGTATTAACCTGATC	441
Db	490	GACATTTATATGGGCATGTACTACAACAGATTAATTCGGCTGGCGGTATATACCTCTTC	549
OY	442	GCTTCTCTCGGCTCTATAAATCTCTGCTGCCATGGACACGCTGGCACACAGATGGGAAC	501
Db	550	GCCTCTGTTACATCA-----AGTTGCCGTGGACCTCTCGGATATATCCCTGGAAC	600
OY	502	ACGCCGCTGTGGACGCCGGGTACCTCACCCTCGACATAATCTAATCTTCTCTACACGGGG	561
Db	601	ACTGAGAACTGCATCAGGTACACAGTACAGAACTTTCACGGAACCTGGCACGTCGCCGGCC	660
OY	562	AAGGATTTCTTGGAACGTATATTTGGAGAGCACAACTCAAGCGGCTTGATGATCATG	621
Db	661	AAGGATTTCTTTGAGCGAAAGGTTTGGAGACTCAAGAGGCAACGGGCTTGACATTCATG	720
OY	622	GGCGCGATCAACCCCTCGCTGGCTTGTGTGTGTTCGGGGCTTTTGTCTGCTCAATTC	681
Db	721	GGTCGGTGAAGCCACCGCTGGCACCTTCGCTTCGGGGCTTTTGTCTGCTGTACTATTC	780
OY	682	TCTTTTGGAAAGAGTCAAGAGTCTGGCAAGGGTGTGGGTGTACACTCTGGCCCGCG	741
Db	781	TCCCTGTGGAAGGGATGGCGGACGTCCCGGAAAGGTGTGGGTACACCCCTCGCTCTCT	840
OY	742	TACGTGTCTCTGCTATTTCTGCTGGCGAGAGGCGTCACGCTTCCAGAGACGACGAGGGC	801
Db	841	TATGTGTGTATATCATCTCTGCTGTGTAGAGAGTTTCCCTCGCCGGCGCGACGAGGGC	900
OY	802	ATACGCTACTATACCCAGAGTGGCACAAATTTGCAAACTCTAAGTATGATGTAC	861
Db	901	ATCAAGTACTACTCAACCCCGAGGTGGCACAAACTGAAGAACTCCAAATCTGTGATCGAC	960
OY	862	GCGGATCCCGAATTTCTTTCGCGTCCCGGGTCCCGGATGGAAACCTACTGGCGCTCC	921
Db	961	GCGGATCCCGAATTTCTTTCCTCCCTGTGGCCCCCGAATTTGGAAACCTGCTGGCCCTGTCC	1021
OY	922	AGCTTACAACAAGTTCAACAACTGCTACAGAGGAGCGCTATGACTTTCTTATCAAC	981
Db	1021	AGCTTACAACAAGTTCAACAACTGCTATATGCGATGCTCTATCACAGCAGCATCAAC	1081
OY	982	TGCTTTGACCAAGCTTCTGCTGGTTTTCGTATTTTCTCGGTTTTGGGTATACGGCGAC	1041
Db	1081	TGCTTTGACCAAGTTCTGCTGGCTTTTGTCACTTCTCCGTTTTGGGTATACGGCGTAC	1141
OY	1042	GTTTCAGAACAAAGCATGAGGAGGTTGGCCCTCGAAGGCCCTGAGACTGGTTCATCTCG	1101
Db	1141	GTTTCAGAACAACTTCATGAGCAAGGTGGGCTGTGGAGGGTCCGGGGCTGTGTTCAATCGTT	1201
OY	1102	TACCCCGAGGCGCATGGCCACCATGACCGGCTCCGGTTTCTGGGCCATCACTTCTTCTC	1161
Db	1201	TACCCCGAGGCGCATGAGCCACGATAGTGGCTTGGGTTCCTGAGACATCACTTCTTCTC	1261
OY	1162	ATGCTTATTAACCTTGGGACTTGAACATCTTTTGAAGTCTTTGAGGCACTGACACAGGCT	1221
Db	1261	ATGCTGATTAACCTTGGGACTGAGACACACTTTTGGGGATTTGGAGGCGATGATTAACAGG	1321
OY	1222	CTTTGGCAGCAATATTCCTCGAATGTAGGCAAGACATCGGAAGTATTTTGGCTGTACTG	1281
Db	1321	CTTTGGCAGCAATATTCCTCGAATGTAGGCAAGGCGCAAGGCACTGTTCCTCTCGCTCTC	1381
OY	1282	CTTCTGTTTCACTATATTTTGGGCTCTGGCCACACACATCAAGGAGTATATACCTCGTA	1341
Db	1381	CTGCTTTTCACTTCTCTGTGGCCCTTCCACAGATGACTACGGGTGGCGTGTGCTGTGTC	1441
OY	1342	GACCTACTCAATGTGTATGGCCCTGGATTTGGGATTTCAATTCGGGTATTTCTGAGGCT	1401
Db	1441	AACTTCTGAAATGTCTACGAGACCGGGTTGGCCATCTCTTTGTGTCTTCTGCGAGGCA	1501
OY	1402	GCGGCGTGTCTGGGTATGGCTCGACCGGTTCTCTGAAAGATGTAGAGACATGCTG	1461

Db 1501 GCGGAGTCTTTGGTCTACGAGTGAACCGCTTACAGTGGATGTGAACAGATGCTG 1560  
QY 1462 GGGCACCCTCGATGATGTTCTGAGAGACCTTTGGTCTATACATAGTCCCTATTCTG 1521  
Db 1561 GGCACAGCCAGGCTTATTTCTGGGCGATCTCTGAGCATATACATAGCCCTGTGCTG 1620  
QY 1522 CTGCTGCTGTTCTGTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1581  
Db 1621 CTGACATATTCATTTCTCTCATCATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1680  
QY 1582 TATCCCTATGCTATATACCGTAGGCTGGTGTATGACCGGACCAACGCTCTGCTGCT 1641  
Db 1681 TACCCGAGCTGAGCTACAGGCTGGGCGGTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1740  
QY 1642 CCTTTTACATTAATACAACTGCTCATAC 1673  
Db 1741 CCATGTACATTAATACAACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1772

## JUL 3

US-09-614-150-8705  
Sequence 8705, Application US/09614150  
GENERAL INFORMATION:  
APPLICANT: Venter, J. Craig  
APPLICANT: et al.  
TITLE OF INVENTION: DETECTION KIT, SUCH AS NUCLEIC ACID  
TITLE OF INVENTION: ARRAYS, FOR DETECTING EXPRESSION OF 10,000 OR MORE  
TITLE OF INVENTION: DROSOPHILA GENES.  
FILE REFERENCE: CLO00728  
CURRENT APPLICATION NUMBER: US/09/614,150  
PRIORITY FILING DATE: 2000-07-11  
PRIORITY FILING DATE: 2000-07-11, 832  
PRIORITY FILING DATE: 1999-10-05  
PRIORITY FILING DATE: 1999-10-05  
PRIORITY FILING DATE: 1999-10-19  
PRIORITY FILING DATE: 1999-10-19, 932  
PRIORITY FILING DATE: 1999-10-28  
PRIORITY FILING DATE: 1999-11-12  
PRIORITY FILING DATE: 1999-11-12, 769  
PRIORITY FILING DATE: 1999-11-12, 383  
PRIORITY FILING DATE: 1999-12-28  
PRIORITY FILING DATE: 1999-12-28, 693  
PRIORITY FILING DATE: 2000-01-12  
PRIORITY FILING DATE: 2000-01-12, 831  
PRIORITY FILING DATE: 2000-02-24  
PRIORITY FILING DATE: 2000-02-24, 637  
PRIORITY FILING DATE: 2000-03-23  
PRIORITY FILING DATE: 2000-03-23, 43008  
NUMBER OF SEQ ID NOS: 43008  
SOFTWARE: FASTSEQ for Windows Version 4.0  
SEQ ID NO: 8705  
LENGTH: 2471  
TYPE: DNA  
ORGANISM: DROSOPHILA  
US-09-614-150-8705

Query Match 50.5%; Score 891.2; DB 23; Length 2471;  
Best Local Similarity 71.7%; Pred. No. 2,1e-212;  
Matches 1185; Conservative 0; Mismatches 458; Indels 9; Gaps 1;

QY 22 CCGCGGCCACCGCCACCTCTGATCTTCTGCTACACCGCTGACAGAAAGCCGTTG 81  
Db 130 CACACGAGCGCCGCAAGGTACACCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 189  
QY 82 GTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 141  
Db 190 ATTCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 249  
QY 142 CTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 201  
Db 250 CTCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 309  
QY 202 TGTACCAAGATGAGGCGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 261

Db 310 TGTATACAAAGAGGAGGCGGCTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 369  
QY 262 GGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 321  
Db 370 GACAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 429  
QY 322 ACTCTCTGGAAGAGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 381  
Db 430 AGCATCTGGAAGAGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 489  
QY 382 GACATCTGGAAGAGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 441  
Db 490 GACATCTGGAAGAGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 549  
QY 442 GCTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 501  
Db 550 GCTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 600  
QY 502 AGCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 561  
Db 601 ACTGAGAACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 660  
QY 562 AAGAGATCTTCTGCAAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 621  
Db 661 AAGAGATCTTCTGCAAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 720  
QY 622 GGGCGGCTGCAAGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 681  
Db 721 GGTCTGCTGCAAGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 780  
QY 682 TCCCTGCTGCAAGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 741  
Db 781 TCCCTGCTGCAAGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 840  
QY 742 TACGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 801  
Db 841 TATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 900  
QY 802 ATAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 861  
Db 901 ATAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 960  
QY 862 GCGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 921  
Db 961 GCGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1020  
QY 922 AGCTGCAAGAGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 981  
Db 1021 AGCTGCAAGAGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1080  
QY 982 TGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1041  
Db 1081 TGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1140  
QY 1042 GTTCAGAAAGAGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1101  
Db 1141 GTTCAGAAAGAGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1200  
QY 1102 TACCCGAGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1161  
Db 1201 TACCCGAGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1260  
QY 1162 ATGCTTATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1221  
Db 1261 ATGCTTATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1320  
QY 1222 CTTCGCAAGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1281  
Db 1321 CTTCGCAAGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1380  
QY 1282 CTTCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1341

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Db      1381 CTGGCTTTTCATCTTCCTGCGCCCTTCACAGATGACCTAGCGCGCTGCTGCTC 1440
OY      1342 GACCTACTCAATGATGATGAGCCCTGATTTGGCATTTCTATGCTGATTTCTGAGCT 1401
Db      1441 AACTCTCTGATATGCTACGAGACCCGGGTTGGCCATCTTTGTGTCTCTTCTGAGGCA 1500
OY      1402 GCGGCGGTGCTGCTGATGATGCGACCGGTTCTCTGAAGATGTGAGCAATGCTG 1461
Db      1501 GCGGAGTCTTTTGGTCTACGAGATGAGCCCTTCAGCTGATGTGAGAACATGCTG 1560
OY      1462 GGGGACACCCCTGATGATGCTTGAGAGACCTGTGTCTTACATGATCCCTATTCTTG 1521
Db      1561 GGCACCAACGAGCTTATCTTGGGAGATCTGCTGACGTACATCAGCCCTGTCTCTG 1620
OY      1522 CTGGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1581
Db      1621 CTGACCATTTATTTCTTCTCCTCATCATGAGCTACAAAGAGATGCTGCGCAGAGTACTAC 1680
OY      1582 TATCCCTCATGCTATACACCGCTAGGCTGAGTGTGATGACCGGACACCGCTCTGCTGCT 1641
Db      1681 TACCGGAGCTGAGCTACAGAGTGGGCTGGGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1740
OY      1642 CCTCTTACATTTATCTACAACTGCTCATAC 1673
Db      1741 CCAATGATATCTACAAAGTTCTTCTGCTG 1772

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## RESULT 4

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US-60-191-637-8731
; Sequence 8731, Application US/60191637
; GENERAL INFORMATION:
; APPLICANT: Venter, J. Craig
; TITLE OF INVENTION: NUCLEIC ACID DETECTION KITS COMPRISING
; TITLE OF INVENTION: GENE SEQUENCES EXPRESSED FROM THE DROSOPHILA GENOME, AND
; TITLE OF INVENTION: USES THEREOF
; FILE REFERENCE: CL000392
; CURRENT APPLICATION NUMBER: US/60/191,637
; CURRENT FILING DATE: 2000-03-23
; NUMBER OF SEQ ID NOS: 42660
; SOFTWARE: Fastseq for Windows Version 4.0
; SEQ ID NO: 8731
; LENGTH: 2471
; TYPE: DNA
; ORGANISM: DROSOPHILA
US-60-191-637-8731

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Query Match 50.5%; Score 891.2; DB 63; Length 2471;

Best Local Similarity 71.7%; Pred. 2.1e-212; Mismatches 458; Indels 9; Gaps 1;

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Db      22 CCGCGCCGACCGGCGCACCTCTGATCTTCTGCTACCAACCGCTCAGAAAAGCCGTTG 81
OY      130 CACACGAGCCCGCCGCAAGCTCAGATCCACTGCGCCCAAGCTGGCCAAACAGAGCGC 189
Db      82 GTGTGTGTGCTGCTTAACGCGCGCGCGAGAGACCTGGGCGAAGAGCAGATTC 141
OY      190 ATTGTGTGTGCTGCTGCTGAGAGAGAGACTCGGAGAACTGGGAGACAGAAGGAGATTC 249
Db      142 CTGCTGCGCGGTGGATTCGACAGTGTCTTGTAACGTGTGGGATTCCTCTACATC 201
OY      250 GTCTGTGCGGTGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 309
Db      202 TGTTCACAGATGAGAGCGGTGCTGATCCGCTACGCTGCTGCTGCTGCTGCTGCTGCTG 261
OY      310 TGTTCACAGAGAGAGCGGTGCTGATCCGCTACGCTGCTGCTGCTGCTGCTGCTGCTG 369
Db      262 GGGCTGCGCTGCTTCTTCTGGAATGCGCTGCGGCACTACACCGCTGCGGCTCTTC 321
OY      370 GGAAGTCCCTGCTTCTACATGAGCTGCGGCTGCGGCACTACACCGATGTGCTGCTC 429
Db      322 ACTCTGTGAAGAGATGCTGCGGCTGTAAGAGTGTGGGCTATGCTGCTGCTGCTGCTG 381
OY      430 AGCATCTGGAAGAGATGCTGCGGCTGTAAGAGGCTGCGGCTATGCTGCTGCTGCTG 489

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OY      382 GACATCTACATGAGGATGATACAAACAGATCATGATGAGGCGGTATTAACCTGATC 441
Db      490 GACATTTATATGAGCATGATACAAACAGATTAATGCGTGGGCGGTATTAACCTCTTC 549
OY      442 GCTTCTGCGCTATATAACCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 501
Db      550 GCTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 600
OY      502 AGCGCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 561
Db      601 ACTGAGAACTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 660
OY      562 AAGGATTTCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 621
Db      661 AAGGATTTCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 720
OY      622 GGGCGGATCAAGCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 681
Db      721 GGTGCGGTGAGCGCCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 780
OY      682 TCTTGTGGAAGAGTCAAGAGTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 741
Db      781 TCCCTGTGGAAGAGTCAAGAGTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 840
OY      742 TACGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 801
Db      841 TATGTGTCTTATCATCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 900
OY      802 ATACGCTACTACTTACCCAGAGTGGCACAATTTGCAAACTCTAAGTATGATTTGAC 861
Db      901 ATCAAGTACTACTTACCCAGAGTGGCACAATTTGCAAACTCTAAGTATGATTTGAC 960
OY      862 GCGGATCCCAAGATTTTCTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 921
Db      961 GCGGATCCCAAGATTTTCTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1020
OY      922 AGCTCAACAAAGTCAACAAAGTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 981
Db      1021 AGCTCAACAAAGTCAACAAAGTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1080
OY      982 TGTGTGACAGCTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1041
Db      1081 TGTGTGACAGCTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1140
OY      1042 GTTCAGAAAGAGCTTCAGAGAGTGGCTCTGGAAGGCTTGGATGCTGCTGCTGCTGCTG 1101
Db      1141 GTTCAGAAAGAGCTTCAGAGAGTGGCTCTGGAAGGCTTGGATGCTGCTGCTGCTGCTG 1200
OY      1102 TACCCGAGGCGCATGCGACATGACGCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1161
Db      1201 TACCCGAGGCGCATGCGACATGACGCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1260
OY      1162 ATGCTTATTAACCTGAGCTTACAGTACTTTTGAAGTCTTGAAGCAGTCAACAGGCT 1221
Db      1261 ATGCTTATTAACCTGAGCTTACAGTACTTTTGAAGTCTTGAAGCAGTCAACAGGCT 1320
OY      1222 CTGTGGAAGATATCTGAGTGTGAGCAGACATCGGGAATTTTGTGCTGCTGCTGCTG 1281
Db      1321 CTGTGGAAGATATCTGAGTGTGAGCAGACATCGGGAATTTTGTGCTGCTGCTGCTG 1380
OY      1282 CTGTGGAAGATATCTGAGTGTGAGCAGACATCGGGAATTTTGTGCTGCTGCTGCTG 1341
Db      1381 CTGTGGAAGATATCTGAGTGTGAGCAGACATCGGGAATTTTGTGCTGCTGCTGCTG 1440
OY      1342 GACCTACTCAATGATGATGAGCCCTGATTTGGCATTTCTATGCTGATTTGCTGAGGCT 1401
Db      1441 AACTCTCTGATATGCTACGAGACCCGGTGGCCATCTCTTGTGTGCTCTGAGGAGCA 1500
OY      1402 GCGGCGGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1461
Db      1501 GCGGAGTCTTTTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1560

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QY 1462 GGGACACCCCTGATGTTCTGAGAGACCTGTGCTTATACATAGTCCGATATCTG 1521  
DB 1561 GGCAGAACCCAGGCTTATCTGGGAGCTCTGAGACGTACATACGCTGTGTTCCG 1620  
QY 1522 CTGGTGTCTGTTCTGCTTCCGTTCTGGACAGAGAGATGCTGGCGGGAATACAC 1581  
DB 1621 CTGACCATATTTCTTCATCATGAGGCTACAGAGAGATGCTGGCGGAGATCTAC 1680  
QY 1582 TATCCCTCATGCTATACAGGCTGAGGCTGAGTATGAGACGACACCGCTGCTGATC 1641  
DB 1681 TACCCGAGCTGAGCTACAGAGTGGGCTGGCGGTACCTGCTGCTGCTGCTGATC 1740  
QY 1642 CCTTTTACATATATACAACTGCTCATAC 1673  
DB 1741 CCCATGATATATATACAAAGTTCTTCTGCG 1772

## RESULT 5

US-60-191-681-6790 Application US/60191681

## GENERAL INFORMATION:

APPLICANT: Li, Peter, M.D.  
TITLE OF INVENTION: ISOLATED DROSOPHILA PROTEINS, NUCLEIC  
ACID MOLECULES ENCODING ISOLATED DROSOPHILA PROTEINS AND  
FILE REFERENCE: C1000390  
CURRENT APPLICATION NUMBER: US/60/191,681  
CURRENT FILING DATE: 2000-03-23  
NUMBER OF SEQ ID NOS: 30973  
SOFTWARE: FastSeq for Windows Version 4.0  
SEQ ID NO: 6790  
LENGTH: 2471  
TYPE: DNA  
ORGANISM: DROSOPHILA  
US-60-191-681-6790

## Query Match

Best Local Similarity 71.7%; Score 891.2; DB 63; Length 2471;  
Pred. No. 2,1e-212;

Matches 1185; Conservative 0; Mismatches 458; Indels 9; Gaps 1;

QY 22 CCGGGCCCGACGGCGACCTCTGATCTTCTGCTACACCGCTCAGAAACCGCTTG 81  
DB 130 CACAGAGCCCGCCCAAGCTACACCGATCGCTGCGCCCAAGCTGCGCAACGAGCGC 189  
QY 82 GTGTGTGTGTCTTACCGCGCGCGAGAGCTGGGCGAAGAGCAGATTC 141  
DB 190 ATTCTGTGTGTCTTACCGCGCGAGAGAGCTGGGCGAAGAGCAGATTC 249  
QY 142 CTGT 201  
DB 250 CTCTGT 309  
QY 202 TGT 261  
DB 310 TGT 369  
QY 262 GGGGT 321  
DB 370 GAGAGT 429  
QY 322 ACTGT 381  
DB 430 ACATGT 489  
QY 382 GACATGT 441  
DB 490 GACATGT 549  
QY 442 GTTGT 501  
DB 550 GCTGT 600  
QY 502 ACGCGGT 561

DB 601 ACTGAGAACCTGATGAGGTGACAGTGAAGCTTACAGAACCTGAGCCAGTGGCGGCG 660  
QY 562 AAGAGT 621  
DB 661 AAGAGT 720  
QY 622 GGGCGATCAAGCCCGCTGCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 681  
DB 721 GGT 780  
QY 682 TCCCTGT 741  
DB 781 TCCCTGT 840  
QY 742 TACGT 801  
DB 841 TATGT 900  
QY 802 ATACGCTACTACCTTACCCAGAGTGGCGCAAAATGCAAACTTAAGTATGATTTGAC 861  
DB 901 ATCAAGTACTACTTAAACCCGAGTGGCGCAAACTGAGAACTTCAAGTCTGATTCGAC 960  
QY 862 GGGGATCCAGATTTTCTGT 921  
DB 961 GCGGATCCAGATTTTCTGT 1020  
QY 922 AGCTACAAAGT 981  
DB 1021 ACCTACAAAGT 1080  
QY 982 TGT 1041  
DB 1081 TGT 1140  
QY 1042 GTTGT 1101  
DB 1141 GTTGT 1200  
QY 1102 TACCGGAGGCGATGGCGACATGAGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1161  
DB 1201 TACCGGAGGCGATGGCGACATGAGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1260  
QY 1162 ATGCTTATATACCTGT 1221  
DB 1261 ATGCTTATATACCTGT 1320  
QY 1222 GTTGT 1281  
DB 1321 GTTGT 1380  
QY 1282 GTTGT 1341  
DB 1381 GTTGT 1440  
QY 1342 GACCTACTCAATATGTATGAGGCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1401  
DB 1441 AACTTCTCAATATGTATGAGGCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1500  
QY 1402 GCGGCGT 1461  
DB 1501 GCGGCGT 1560  
QY 1462 GGGGACACCCCTGATGTTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1521  
DB 1561 GGGGACACCCCTGATGTTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1620  
QY 1522 CTGGT 1581  
DB 1621 CTGACCATATTTCTTCATCATGAGGCTACAGAGAGATGCTGGCGGAGATCTAC 1680  
QY 1582 TATCCCTCATGCTATACAGGCTGAGGCTGAGTATGAGACGACACCGCTGCTGATTC 1641

Db 1681 TACCCGAGTGGAGCTACAGGTGGCGGCTGACCTGCTCGGTGCTGATC 1740  
QY 1642 CCTCTTACATATCTACAACTGCTCATAC 1673  
Db 1741 CCATGTACATATCTACAAAGTTCTTCTCGC 1772

RESULT 6  
US-60-167-217-8786

; Sequence 8786, Application US/60167217  
; GENERAL INFORMATION:  
; APPLICANT: Li, Peter W. D.  
; TITLE OF INVENTION: ISOLATED DROSOPHILA PROTEINS, NUCLEIC  
; TITLE OF INVENTION: ACID MOLECULES ENCODING DROSOPHILA PROTEINS, AND USES  
; TITLE OF INVENTION: THEREOF  
; FILE REFERENCE: C1000152  
; CURRENT APPLICATION NUMBER: US/60/167, 217  
; CURRENT FILING DATE: 1999-11-24  
; NUMBER OF SEQ ID NOS: 23195  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO: 8786  
; LENGTH: 2473  
; TYPE: DNA  
; ORGANISM: Drosophila  
US-60-167-217-8786

Query Match 50.5%; Score 891.2; DB 60; Length 2473;  
Best Local Similarity 71.7%; Pred. No. 2,1e-212;  
Matches 1185; Conservative 0; Mismatches 458; Indels 9; Gaps 1;

QY 22 CCCGCGCCACCGCCACCTCTGATCTCTCTGCTACACCGCTCAGAAACCGCTTG 81  
Db 133 CACAGAGGCGCCGCAAGGTACCGATCCACTGCGCCCAAGCTGGCCAAACAGAGCGC 192  
QY 82 GTGTGTGTGTGCTTACCGCGCGCGCAGCGGAGACCTGGCGAAGAGCGAAGTTC 141  
Db 193 ATTCTGTGTGTGTCTCCGTGACGAGAGAGTCTCCGAGACCTGGGAGACAGAGCGGAGTTC 252  
QY 142 CTGCTGGGCGGTGGGATGCGATGCGATCTTGTGAACGTGGGAGATCCCGTACATC 201  
Db 233 CTCCTGGCGCGTATGAGTTCGACAGTGGATCTGGGCAATGTGGGCTTCCCGTACATC 312  
QY 202 TGTTCAGAAATGAGAGCGGTGCTCTGATCCCGTATGCTGCTATGCTGCTTGGC 261  
Db 313 TGTTCAGAAATGAGAGCGGTGCTCTGATCCCGTATGCTGCTATGCTGCTTGGC 372  
QY 262 GGGCTGGCGCTTCTTCTGGAATGCGCGTGGGCACTACACCGCTGGCGTGGC 321  
Db 373 GACATGCGCGCTTCTTCTGGAATGCGCGTGGGCACTACACCGCTGGCGTGGC 432  
QY 322 ACTCTGTGAAAGGATGCGCGGTAAAGGTGCGCTATGCGCTATGCGCTATGATC 381  
Db 433 AGCATCTGAAAGGATGCGCGGTAAAGGTGCGCTATGCGCTATGCGCTATGATC 492  
QY 382 GACATCTGAAAGGATGCGCGGTAAAGGTGCGCTATGCGCTATGCGCTATGATC 441  
Db 493 GACATCTGAAAGGATGCGCGGTAAAGGTGCGCTATGCGCTATGCGCTATGATC 552  
QY 442 GCTTCTGCGCTATTAATCTGCTGCGCATGAGACAGTGGCAGACAGAGTGAAC 501  
Db 553 GCTTCTGCGCTATTAATCTGCTGCGCATGAGACAGTGGCAGACAGAGTGAAC 603  
QY 502 ACGCGCGTGGTGGCGCGGTGCGCTATGCGCTATGCGCTATGCGCTATGATC 561  
Db 604 ACTGGAAGTGGTGGCGCGGTGCGCTATGCGCTATGCGCTATGCGCTATGATC 663  
QY 562 AAGGATCTTGAAGTATGATGAGAGCAGACAGTGAAGCGCTGATGATGATC 621  
Db 664 AAGGATCTTGAAGTATGATGAGAGCAGACAGTGAAGCGCTGATGATGATC 723  
QY 622 GGGCGGATCAAGCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 681  
Db 724 GGTTCGGTGAAGCGCGCGGTGCGCTATGCGCTATGCGCTATGCGCTATGATC 783

QY 682 TCCCTTGGAAAGAGTCAAGAGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 741  
Db 784 TCCCTTGGAAAGAGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 843  
QY 742 TACGT 801  
Db 844 TATGT 903  
QY 802 ATAGCTTACTTACTTACTTACTTACTTACTTACTTACTTACTTACTTACTTACTT 861  
Db 904 ATCAAGTACTTACTTACTTACTTACTTACTTACTTACTTACTTACTTACTTACTT 963  
QY 862 GGGGATCCCAATTTTCTTCTGCGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 921  
Db 964 GCGGATCCCAATTTTCTTCTGCGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 1023  
QY 922 ACCTACACAAAGTAAACAAAGTAAACAAAGTAAACAAAGTAAACAAAGTAAAC 981  
Db 1024 ACCTACACAAAGTAAACAAAGTAAACAAAGTAAACAAAGTAAACAAAGTAAAC 1083  
QY 982 TCCCTTGGAAAGAGTCAAGAGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 1041  
Db 1084 TCCCTTGGAAAGAGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 1143  
QY 1042 GTTCAGAACAAAGATTCAGAGAGTGGGCTTCGAAAGCGCTGAGTGTTCATCTG 1101  
Db 1144 GTTCAGAACAAAGATTCAGAGAGTGGGCTTCGAAAGCGCTGAGTGTTCATCTG 1203  
QY 1102 TACCCGAGGCGCATGCGCATGAGACCGGCTCGGCTTGTGGGCGCATCTTCTTCT 1161  
Db 1204 TACCCGAGGCGCATGAGACCGGCTCGGCTTGTGGGCGCATCTTCTTCTTCTG 1263  
QY 1162 ATGCTTATTTACCTGGAGTTCAGAGTCTTGTGAAGTCTTGAAGAGTCAACAGGCT 1221  
Db 1264 ATGCTTATTTACCTGGAGTTCAGAGTCTTGTGAAGTCTTGAAGAGTCAACAGG 1323  
QY 1222 CTTCGAGAGATATCCCTGAGATGAGTGAAGTGAAGTGAAGTGAAGTGAAGTGA 1281  
Db 1324 CTTCGAGAGATATCCCTGAGATGAGTGAAGTGAAGTGAAGTGAAGTGAAGTGA 1383  
QY 1282 CTTCGAGAGATATCCCTGAGATGAGTGAAGTGAAGTGAAGTGAAGTGAAGTGA 1341  
Db 1384 CTTCGAGAGATATCCCTGAGATGAGTGAAGTGAAGTGAAGTGAAGTGAAGTGA 1443  
QY 1342 GACCTACTAATGTGATGATGATGATGATGATGATGATGATGATGATGATGAT 1401  
Db 1444 AACTTCGAGAGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1503  
QY 1402 GCGGCGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 1461  
Db 1504 GCGGCGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 1563  
QY 1462 GGGCACACCCCTGATGATGATGATGATGATGATGATGATGATGATGATGATG 1521  
Db 1564 GGGCACACCCCTGATGATGATGATGATGATGATGATGATGATGATGATGATG 1623  
QY 1522 CTGT 1581  
Db 1624 CTGT 1683  
QY 1582 TATCCCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1641  
Db 1684 TATCCCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1743  
QY 1642 CCTCTTACATATCTACAAAGTCTTCTTCTGCG 1673  
Db 1744 CCATGTACATATCTACAAAGTCTTCTTCTGCG 1775

RESULT 7  
US-60-360-207-11577  
; Sequence 11577, Application US/60360207









RESULT 9  
PCT-US00-20638-11  
Sequence 11, Application PC/TUS0020638  
GENERAL INFORMATION:  
APPLICANT: Genaisance Pharmaceuticals  
APPLICANT: Denton, R. Rex  
APPLICANT: Nandabalan, Krishnan  
APPLICANT: Sanchois, Angela  
APPLICANT: Duda, Amy  
TITLE OF INVENTION: DRUG TARGET ISOGENES: POLYMORPHISMS IN THE SOLUTE  
FILE REFERENCE: CARRIER FAMILY 6, MEMBER 4 GENE  
CURRENT FILING DATE: 2000-07-31  
PCT/US00/20638  
PRIOR FILING DATE: 60/146,290  
NUMBER OF SEQ ID NOS: 380  
SOFTWARE: Patent Ver. 2.1  
SEQ ID NO 11  
LENGTH: 1890  
TYPE: DNA  
ORGANISM: Homo sapiens  
PCT-US00-20638-11

Query Match 31.4%; Score 554; DB 1; Length 1890;  
Best Local Similarity 59.6%; Pred. No. 7e-128;  
Matches 954; Conservative 0; Mismatches 645; Indels 3; Gaps 1;

QY 107 GGCAGCGGACACCTGGGGGAGAAAGCAGAGCTTCCTGCGGTGGGATTGCGAG 166  
DB 230 GGGAGCGGAGACCTGGGGGAGAAAGGAGATTTCTCTCTCATGTGGCTATGCTG 289  
QY 167 TGGATCTTGTAGCTGTGGGATTCCTCATCTGTTTACAGAAATGAGGCGGTGCT 226  
DB 290 TGGACCTGGCAATGTCTGGGCTTCCCTCATATGTGTACAGAAATGAGGCGGTGCT 349  
QY 227 TCTGTATCCGTACTGCTGTATGCTGTGTTGGGCGGTGCGGTGCTTCTTCCAGAC 286  
DB 350 TCTCTCTCCCTACACATCATGCGCATTTTGGGGAGATCCCGCTTTTACATGAGCG 409  
QY 287 TGGGCGTGGGAGACAGCGGCTGCGGCTGCTTCTGAGAAAGGATGCGCCG 346  
DB 410 TCGACCTGGGAGAGACCGCAAAATGAGATTTCAATATGAGGAAATCTGCCGA 469  
QY 347 CGCTTAAAGTGTGGCTATGCTCATGTGATGATGATGATGATGATGATGATGATGAT 406  
DB 470 TTTTCAAGTATGTGTTATGCTCATGTGATGATGATGATGATGATGATGATGATGAT 529  
QY 407 ACAGATCATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 466  
DB 530 ACACATCATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 589  
QY 467 TGTGCGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 526  
DB 590 GGCAGCTGGAGAGACCTGGAACAGTGCACCAATTAATCTTCCAGAGCA 649  
QY 527 CACCTGAGACTAATCTTACTTCTTACACCGGGAAGAGTCTTCCAGAGTATGAT 586  
DB 650 ACATCAGCTGAGACCTTCCATTCACGCTGCTGGAAGATTTTACAGCGCCACGCTC 709  
QY 587 TGGAGCAGCAGTCTTACAGCGCTGATGATGATGATGATGATGATGATGATGATGAT 646  
DB 710 TGCAGATCAGCGGCTTAAAGGGCTCAGAGACGTGGGGGAGCATGAGCTGGAGCC 769  
QY 647 TGTGTGTGTGGGCTTTTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 706  
DB 770 TCTCATCATGCTCTATCT 829  
QY 707 CTGCAAGAGTGTGTGGTGTGAGCTGTGCGCCGCTGAGTGTGTGTGTGTGTGTGTGTGT 766  
DB 830 CTGCAAGAGTGTGTGGTGTGAGCTGTGCGCCCTTATATCATCTTCTGTCTGTCTGTG 889

QY 767 CGAGAGCGCTACCGTCTCCAGAGGAGCGAGGCGATCATGCTTACCTTACCCAGAGT 826  
DB 890 TGAAGGGTGGACCTCCCTGAGGCTGTGAGGAGGCTTCTTCTTGAACCAAT 949  
QY 827 GGCACAAATTCAGAACTCTAAGATGATGATGATGATGATGATGATGATGATGATGAT 886  
DB 950 GGCAGAACTCCTGAGAGAGGAGGATGATGATGATGATGATGATGATGATGATGATGAT 1009  
QY 887 TCGTCCCGGCTGGAGACCTTACGCGCTCTCCAGTACAAAGTCAAAACAACT 946  
DB 1010 TTGTCGCGGCTTGGGCTTCTGCTGCTTGTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1069  
QY 947 GCTACAGAGAGCGCGCTCATCTTCTTATCACTGCTGACAGCTTCTTCTGCTGCT 1006  
DB 1070 GCTACCAAGATGCTTGTGATGACAGCGCTGATGATGATGATGATGATGATGATGATGAT 1129  
QY 1007 TGTCTATTTTCTGCTTTTGGGATGATGATGATGATGATGATGATGATGATGATGAT 1066  
DB 1130 TGTCTATCTTCAAGTGTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1189  
QY 1067 TTGGC---CTGAGAGCGCTGAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1123  
DB 1190 TGGCCAAAGAGAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1249  
QY 1124 TGACCGGCTCCGCTTCTGAGGCTCATCTTCTTCTGCTGCTGCTGCTGCTGCTGCTGCT 1183  
DB 1250 TGGCAGCGCTGCTGCTTCTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1309  
QY 1184 ACAGTCTTTTGGAGGCTTGAAGCAGTACAGCGCTTCTTGGAGAGATATCTCTGAG 1243  
DB 1310 ACAGACGCTTTGAGGCTTGGAGGAGGATGATGATGATGATGATGATGATGATGATGAT 1369  
QY 1244 TGTTAGGAGAGATGCGGAGATATTTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1303  
DB 1370 TCTGGGCTGAGCGCGGAGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1429  
QY 1304 CTCTGCCACACACATACGCTGTATCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1363  
DB 1430 CCTGTGCTACCTGCTTCTTGGAGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1489  
QY 1364 CTGATTTGGCATTCTATCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1423  
DB 1490 CGGGGCGCGAGTCTCATCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1549  
QY 1424 GCGTGCAGCGGCTTCTGAGAGATGATGATGATGATGATGATGATGATGATGATGATGAT 1483  
DB 1550 GCATCAGCTGCTTCTGAGGAGCTGAGAGAAATGCTGCTGCTGCTGCTGCTGCTGCTGCT 1609  
QY 1484 GAGAGCTGTGCTTCTTACATGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1543  
DB 1610 GGAGAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1669  
QY 1544 TTTTGGCAGCAGAGAGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1603  
DB 1670 TGTATGAGCGCGCACAACATGAGCTTCTTCAATTAATTAATTAATTAATTAATTAAT 1729  
QY 1604 TAGCTGGTGTATGAGCGGCAACCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1663  
DB 1730 TGGTGTATGATGAGAGCTGCTTCTTCAATTTGATGCTGCTGCTGCTGCTGCTGCTGCT 1789  
QY 1664 TGTCTATCTCTCTGCGCAATTCATCAACCGCATCAAGACAA 1705  
DB 1790 TGTATCATCTCTCAGGAGCATTTAAAGGCTTATTTAA 1831

RESULT 10  
US-09-440-302A-1068  
Sequence 1068, Application US/09440302A  
GENERAL INFORMATION:  
APPLICANT: Chenchik, Alex  
APPLICANT: Lukashev, Matvey E.  
TITLE OF INVENTION: Human Neurobiology Array  
FILE REFERENCE: CLON-006Cip11







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QY 287 TGGCGCTGGCCAGTACACCGCTGGCGCTGCTCTCTGTGAAGAGATCTGCCG 346
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 410 TCGACATCGGAGACGTACCAAGAAATGGATGATTTCAATATGAGGAATAATCTCCGA 469
QY 347 CGCTTAAAGGTGTGGCTATGCCATCTGCATGATGACATCTACATGGGCATGTACTACA 406
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 470 TTTTCAAAAGGATGGTATGCTATGCTATGCTATGCTATGCTTTCATTTCTTCTCTACA 529
QY 407 ACACGATCATGAGATGGGCTGTATTAACGTATGCTGCTGCTGCTATTAACGTCTG 466
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 530 ACACCATATATGCTGCTGGGCTGCTATGCTATGCTATGCTTCTCTTCAAGACAGCTGCCCT 589
QY 467 TGTGTCATGAGACAGCTGCGACAGAGTGAACACCGCGCTGTGCAAGCGCGTCACT 526
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 590 GGACCAAGCTGCAGAAAGTCTGAGACAGTGGCACTGCACCAATTAATCTTCTCGAGGACA 649
QY 527 CACCTCAACATATCTTACTCTTCTACACGCGGCAAGAGTCTTTCGACAGTATGAT 586
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 650 ACATCAGCTGGACCTTCATTCACGTCCTCCGCTGAAGAAATTTTACACGCGCCACGTC 709
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 587 TGGACAGCAGCAGATCTAACGGCTGGATGACATGGGGCGATCAAGCGCTGGCTG 646
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 710 TGCAGATCACCAGCTCTAAGGGGCTCAAGAGACTGGGGGCTCAAGCTGGCAGCTGGCCC 769
QY 647 TGTGTGTTCGGGCTCTTGTCTCTGCTACTTCTCTCTGTGAAGAGTCAAGAGT 706
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 770 TCTGATCATGCTGATCTTCACTGTTATCTACTTACGATCTGGAAAGCGCTCAAGACT 829
QY 707 CTGGCAAGTGGTGTGGGTGACAGCTTGCGCCCTAGCTGGTGTGCTGATTTGCTGG 766
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 830 CTGGCAAGTGGTGTGGGTGACAGCTTGCGCCCTAATATCTCTTCTGCTGCTGG 889
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 767 CGAGAGGCTGACGCTTCCAGGAGGAGGAGGAGGAGTACGCTACTTACCTTACCCAGAGT 826
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 890 TGAGGGGTGCCACCTCCCTGAGAGCTGAGGGGTGTCTCTCTACTTGAACCAACT 949
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 827 GGCACAAATGCAAAACTCTAAGATAGATGAGATGACGCGGATCCAGATTTTCTCTGCG 886
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 950 GGCAGAAACTCTGAGAGAGGAGGAGTGTGATGATGACCGCTCAGATCTTCTCTG 1009
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 887 TCGGTCCGCGGTGGGAACCTTACGCGCTCTCCAGTACAAACAAGTTTCAACCAACT 946
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 1010 TTGTCGCGGCTTTGGGCTCTGCTGCTTTGTGAGTACACAGTTTCAACAACAAT 1069
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 947 GCTACAGGAGGAGCGCTCATCACTTCTTATCACTGTTGACGCTTCTCTGCTGT 1006
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 1070 GCTACAGAGATGCCCTGAGACAGCTGAGTGAATGATGACGAGCTTCTGCTGGAT 1129
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 1007 TCGTCATTTTCTGCTTTGGGATACATGCGCGACGTTTCAGAAACAAGACATCGAGAG 1066
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 1130 TTGTATCTTCACTGCTGCTGATGATGAGTGAATGAGAAATGTGCTGAGG 1189
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 1067 TTGGC---CTGAAAGCCCTGACATGCTGTATGCTGTACCCCAAGGCAATCGCACCA 1123
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 1190 TGGCCAAAGAGGAGTCCACGCTCTCTTATACGATGCAAAAGCGATGAGGACACA 1249
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 1124 TGACCGGCTGCTGTGGGCACTATCTTCTCTATGCTTATTAACCTGGAGACTG 1183
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 1250 TGCCAGGCTCACTTCTTGTGCAATCTTCTTCTATGTTAATCAAGCTGGGCTGG 1309
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 1184 ACAGTACTTTTGGAGCTTGTGAGGAGTACACAGGCTTTTGGCAGCAATATCTCGAG 1243
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 1310 ACAGCAGCTTGTGACAGCTTGTGAGGAGTATCAGGCTGTGATGATGATGCCACAG 1369
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QY 1244 TGTGAGGAGACATGCGAAGTATTTGTGCTGTCTGCTTCTGTCATCTATTTGGC 1303
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 1370 TCTGGCCAAAGGCGGAGCGCTGCTGCTGCGCTGATCAACGCTCTTTTGAT 1429
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 1304 CTCTCCACACACACATACGCTGTGTATATCTGTAGACCTTACATGATGTGGC 1363
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 1430 CCTGTGTAACCTGACTTTTGGAGGGGCTTACGTGTGAGCTGCTGGAGGATATGCCA 1489
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 1364 CTGATTTGGCATTTCTATTCGTGATTTGCTGAGGCTGCGCGCTGTGCTGGGTATG 1423
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

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Db 1490 CGGGCCCGGAGATGCTCACTGCGGCTGATGAGAGCAGTGGCTGTCTGTGTTCTATG 1549
QY 1424 GCGTGACCGGCTTCTCTAAGATGTGAGACCATCTCTGGGACACCCCTGGATGCTCT 1483
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 1550 GCATACGTAGTGTGACAGGCGATGAAGAAATCTGCGCTGACCGCGGGGTGTTCT 1609
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 1484 GGAGACCTGTGTGCTTACATCACTCCGATATCTTCTGCTGCTGTCTGCTCTCG 1543
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 1610 GGAGATGTGCTGGGTGGCCATCAGCCCTCTCTCTCTGTTATCATTTGCACTTTC 1669
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 1544 TTTGCGACACAGAGAGATGCTGCGGCGGAATACACCTATCCCTCATGCTTACCG 1603
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 1670 TGATGAGCCCGGACACATACGACTTTTCAATATATATATCTTACGAGATCATCT 1729
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 1604 TAGGCTGGGTATGACCGGACACCGCTGCTGCTCTTCTTACATTTACTCAAC 1663
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 1730 TGGTACTGCTAGGAACCTCTATCTTTCATTTGATGTCGCCACATATATAGCTTATG 1789
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 1664 TGTCTATCATCTCTGCAATTGCTATCAACCGCATCAAGACA 1705
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 1790 TGATCATCATCTCCAGGACATTTTAAAGCGATATTTAAAN 1831
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

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RESULT 14
US-60-226-176-2040
; Sequence 2040, Application US/60226176
; GENERAL INFORMATION:
; APPLICANT: Ring, Huijun Z.
; APPLICANT: Malsen, Gareth
; APPLICANT: Townley, David
; APPLICANT: Morris, MacDonald
; TITLE OF INVENTION: Single Nucleotide Polymorphisms Associated with ADME Genes
; FILE REFERENCE: GX-0013-1 P
; CURRENT APPLICATION NUMBER: US/60/226,176
; CURRENT FILING DATE: 2000-08-16
; NUMBER OF SEQ ID NOS: 2447
; SOFTWARE: PERL Program
; SEQ ID NO 2040
; LENGTH: 1893
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; OTHER INFORMATION: GB:NM_001045.1
US-60-226-176-2040

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Query Match      31.3%; Score 552.4; DB 66; Length 1893;
Best Local Similarity 59.5%; Pred. No. 1.8e-127;
Matches 953; Conservative 0; Mismatches 646; Indels 3; Gaps 1;

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QY 107 GGCAGCGGAGACCTGGGCGAAGGAGGAGGAGTCTGCTGGCGGTGGATTCGAG 166
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 230 GGAAGCGGAGACCTGGGCGAAGAGTGGATTTCTCTCTCACTGATGGCTATGCTG 289
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 167 TGGATCTTGTAACTGTGGCGATTCCTCTCATCTGTTTACAGAAATGAGCGGTGCT 226
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 290 TGGACCTGGGCAATGTGCGGCTTCCCTCATATGTTTACAGAAATGAGGCGGAT 349
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 227 TCTGATCCCGTACTGCTGATGCTGTGTTTGGCGGCTGCCCTGTTCTTCTGAGAC 286
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 350 TCTCTCTCCCAACACCATCATATGAGCAATTTTGGGGGAATCCCGCTTTTACATGAGAG 409
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 287 TGGCGCTGGGCGAGTACACCGCTGGCGCTGCTCACTCTGGAAGAGGATGCGCCCG 346
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 410 TCGCACTGGGAGATGACACCGAAATGATGATTTCAATATGAGGAATAATCTGCCGA 469
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 347 CGCTTAAAGGTGTGGCTATGCCATCTGCATGATGACATCTACATGGGCATGTACTACA 406
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 470 TTTTCAAAAGGATGGTATGCTATGCTATGCTATGCTTTCATTTCTTCTCTACA 529
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 407 ACACGATCATGAGATGGGCTGTATTAACGTATGCTGCTGCTGCTATTAACCTG 466
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

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Db      530 ACACCATCATGCGCTGGGGCTAATCTACTACCTATCTCTCTTCAAGGACCAAGCTCCCT 589
OY      467 TCGTCGACATGAGACCACTGCGACACGATGGAACAGCGCGCTGACAGCCGCTACCT 526
Db      590 GGACCAAGCTGCAAGAACTCTGGAACACTGGCAACCTGCAACCAATTAATCTCCGAGGACA 649
OY      527 CACCTCAGACTATATCTTAATCTTCTACACCGCGAAGAGATTCCTTCAAGCAATATAT 586
Db      650 ACATCAACCTGGAGCCCTCCATTCACAGCTCCCTGCTGTAAGAAATTTTACAGCCGCACTGC 709
OY      587 TGGAGCAGCACAAGTCTAAAGCGCTGGAATGACATGGGGCCGATCAAGCCGCTGCTG 646
Db      710 TGCATATCCACCGCTCTAAGGGGCTCCAGGACCTGGGGGCGCATCACTGGACGCTGCC 769
OY      647 TGTGTGTGTGGGGCTTGTCTCTGCTGCTACTCTCTCTCTTGGGAAGAGTCAGAGATG 706
Db      770 TCTGATCATAGCTGATCTTCACTGTAATCTACTCAAGCAATGGAAGGCGTCAACACT 829
OY      707 CTGGCAAGGTGGTGTGGGTGACAGCTCTGCCCCGCTGAGTGGTGTCTGCTGCTG 766
Db      830 CTGGCAAGGTGGTGTGGGTGACAGCACTTCCCTTATATCATCTTCTGCTGCTGCTG 889
OY      767 CGAAGAGCGCTACGCTTCCAGAGCAGGAGGCGATACGTAACCTTACCAGAGT 826
Db      890 TGAAGGGGTGCCACCCCTCGAGGCGTGGAGGGGTGTCTCTCTTGAATGAACCAATT 949
OY      827 GGCACAAATTTGCAAACTAAGATATGATGATGACCGGCAATCCGAGATTTCTTCTGC 886
Db      950 GGCAGAAATCTCTGGAGACAGGGGTGTGATGATGACACCGCTGAGATCTTCTTCTCTC 1009
OY      887 TCGGTCCCGGGTTTGGAACTTACTGCGCTCTCCAGCTACAACAAGTCAACAACT 946
Db      1010 TTGGTCCGGGCTTTGGGGTCTGCTGCTGCTTTGCTAGTACAAAGTTCACAACT 1069
OY      947 GCTACAGGAGCGGCTCATCACTCTTCTTATCAACTGCTTGAACAGCTTCTGCTGCT 1006
Db      1070 GCTACCAAGATGCTCCGTGGTACAGCGTGTGATGATGACAGAGTCTGTTCCGGAT 1129
OY      1007 TCGTATTTTCTGGGTTTGGGGTACATGGCGCACTGAGAACAGAGCTGAGAGG 1066
Db      1130 TTGTCACTTCAAGTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1189
OY      1067 TTTGGC---CTCGAAGCCCTTGGAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1123
Db      1190 TGGCCAAAGACGAGGTCCAGCTCTCTTCAATCAAGATGAGAGGATGAGCAACA 1249
OY      1124 TCAACGCGCTCGCTTCTGCGGCAATCATCTTCTCTCAATGCTTATTAATTAATTAATTA 1183
Db      1250 TGCACGCTGCTCACTTCTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1309
OY      1184 ACAGTACTTTTGGAGTCTTGGAGGCTGAGGCAATGAGCAAGGCTCTTGGCAAGATATCTCGAG 1243
Db      1310 ACAGCAGCTTTCAGGCTTGGAGGGGTATCAAGGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1369
OY      1244 TGTTAAGCAGATGCGAAGTATTTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1303
Db      1370 TCTGGGCCAAGGCGCGGAGCGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1429
OY      1304 CTCTGCCCAACCAACATATAGGTGTATATCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1363
Db      1430 CCTGTGTCACCTGCTTGTGAGGGGCTAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1489
OY      1364 CTGGATGGCGATTCATTCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1423
Db      1490 CGGGGCGCGCAGTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1549
OY      1424 GCGTGCAGCGGTTCTCTGAAGATGTGAGACCAATGCTGGGCGCACCCCTGATGCTGCTG 1483
Db      1550 GCATCACTAGTTCCTGAGGAGAGCTGAAGAAATGCTGCGCTTACAGCCGGGGTGTCT 1609
OY      1484 GAGAGACCTGTTGCTTACATCACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1543
Db      1610 GGAGATCTGCTGGGTGGCCATCAGCCCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1669

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OY      1544 TTCTGGCACACGAGGATGCTGGGGGAATATACCTATCCCTCATGCTGATTCACCG 1603
Db      1670 TGATGAGCCCGCCACACTACAGACTTTTCCAAATATATATATCTTCTGAGATATATCT 1729
OY      1604 TAGGCTGGGTGATGACCGGACCCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1663
Db      1730 TGGGTACAGTACAGAACCTCATCTTTCATTTGATCCCAATATATAGCTATAGCTG 1789
OY      1664 TGCTATCACTCTGCGCAATTCGATCAACCGCATCAAGCAA 1705
Db      1790 TGATCATCACTCCAGGACATTTAAGACGCTATTAATAAA 1831

RESULT 15
US-60-226-176-2045
: Sequence 2045, Application us/60226176
: GENERAL INFORMATION:
: APPLICANT: Ring, Huijun Z.
: APPLICANT: Malsen, Gareth
: APPLICANT: Townley, David
: APPLICANT: Morris, MacDonald
: TITLE OF INVENTION: Single Nucleotide Polymorphisms Associated With ADME Genes
: FILE REFERENCE: GX-0013-1 P
: CURRENT APPLICATION NUMBER: us/60/226,176
: CURRENT FILING DATE: 2000-08-16
: NUMBER OF SEQ ID NOS: 2447
: SOFTWARE: PERL Program
: SEQ ID NO 2045
: LENGTH: 1893
: TYPE: DNA
: ORGANISM: Homo sapiens
: FEATURE:
: NAME/KEY: misc.feature
: OTHER INFORMATION: SLC6A4_cds.1
US-60-226-176-2045

Query Match      31.3%  Score 552.4:  DB 66:  Length 1893;
Best Local Similarity 59.5%:  Pred. No. 1,8e-127;
Matches 933:  Conservative:  0:  Mismatches 646:  Indels  3:  Gaps  1:

OY      107 GCGAGCGCAGACCTGGGCGGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 166
Db      230 GGAAACGGGAGACCTGGGCGGAGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 289
OY      167 TGGATCTTGGTAAAGTGTGGGATTCCTCTACATCTGTTACCAAGATGAGGCGGTGCT 226
Db      290 TGGACCTGGGCAATGCTGGGCGCTCCCTACATATGTTAACAGATGAGGCGGCGAT 349
OY      227 TCCGTATCCCGTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 286
Db      350 TCCCTCTCCCTTACACCATCATATGCGCATTTTGGGGGAATCCGCTTTTACATGAGAC 409
OY      287 TGGCGCTGGGCGAGTACCAACCGCTGGGCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 346
Db      410 TCCGACTGGGAGAGTACACACCAATATGATGATGATGATGATGATGATGATGATGATGATG 469
OY      347 CGCTTAAAGGTGTGGCTATGCCATTCGATGATGATGATGATGATGATGATGATGATGATG 406
Db      470 TTTTCAAGGAGATTTGTTATGCGATGATGATGATGATGATGATGATGATGATGATGATG 529
OY      407 ACACGATCATGCGATGGGCGGTATATACCTGATGCTGCTGCTGCTGCTGCTGCTGCTGCTG 466
Db      530 ACACCATCATAGGCTGGGCGGTATATACCTGATGCTGCTGCTGCTGCTGCTGCTGCTGCTG 589
OY      467 TGTGTCATGAGACCACTGCGAAGAGTGAACAGCGCGCTGCTGCTGCTGCTGCTGCTGCTG 526
Db      590 GGAACCAAGCTGCAAGAACTCTGGAACACAGTGGCAACTGCAACAAATTAATCTTCCGAGGACA 649
OY      527 CACCTCAGACTAATCTTCTTACACCGGCGAAGAGTTCCTTCAAGCAATATGAT 586
Db      650 ACATCACTGAGACCTTCATATTCACAGCTCCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 709

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Db      1750 TGATCATCTACTCCAGGACATTTAAGAAGCGTTATTATAAA 1831
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Search completed: July 18, 2003, 16:42:32
Job time : 2792 secs

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